

1. (Currently Amended) A system for sharing data between multiple consumers, comprising:

a first queue for storing data;
a data source for outputting the data that is stored in the first queue;
a plurality of consumers each sharing the data stored in the first queue; and
a scheduler for managing the storage and consumption of the data in the first queue and for controlling the data source and the plurality of consumers to control the amount of data stored in and consumed from the first queue,

wherein the data source comprises a consumer that consumes data stored in a second queue that is controlled by the scheduler.

8. (Currently Amended) ~~The system of claim 1~~ A system for sharing data between multiple consumers, comprising:

a first queue for storing data;
a data source for outputting the data that is stored in the first queue;
a plurality of consumers each sharing the data stored in the first queue; and
a scheduler for managing the storage and consumption of the data in the first queue
and for controlling the data source and the plurality of consumers to control the amount of
data stored in and consumed from the first queue,

wherein the scheduler prioritizes data consumption of the first queue based on an amount of unread data of each of the plurality of consumers.

16. (Currently Amended) A method for sharing data between multiple consumers, comprising the steps of:

storing data received from a data source in a first queue;

sharing the data in the first queue between a plurality of consumers; and

managing the storage and consumption of the data in the first queue, wherein managing comprises controlling the data source and the plurality of consumers to control the amount of data stored in and consumed from the first queue,

wherein the step of sharing comprises the steps of:

registering data requirements of each of the plurality of consumers; and

assigning the plurality of consumers to the first queue based on the registered data requirements; and

further comprising the step of prioritizing data consumption of the first queue based on an amount of unread data in the first queue of each of the plurality of consumers.

23. (Currently Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for sharing data between multiple consumers, the method comprising the steps of:

storing data received from a data source in a first queue;

sharing the data in the first queue between a plurality of consumers; and

managing the storage and consumption of the data in the first queue, wherein managing comprises controlling the data source and the plurality of consumers to control the amount of data stored in and consumed from the first queue,

wherein the instructions for performing the step of sharing comprise instructions for

registering data requirements of each of the plurality of consumers; and

assigning the plurality of consumers to the first queue based on the registered data requirements; and

further comprising instructions for performing the step of prioritizing data consumption of the first queue based on an amount of unread data of each of the plurality of consumers.